Advantage Line Quick Selection Guide
Megapixel IP Cameras

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		5 Megapixel	1080p			720p					
		Outdoor		Vehicle Mount	Indoor					Outdoor Infrared	
		NDC-284-PT	NDC-274-PT	NDC-274-PM	NDC-274-P	NBC-265-P NBC-265-W	NPC-20012-F2 NPC-20012-F2W	NUC-20012-F2	NDC-265-P	NTC-265-PI	NDN-265-PIO
	Camera Type	Vandal-Resistant Microdome	Vandal-Resistant Microdome	Vandal-Resistant IVM Microdome	Indoor Microdome	HD 720p IP Camera 200 Series	IP micro 2000 HD	FLEXIDOME micro 2000 HD	HD 720p IP Dome Camera 200 Series	HD 720p Day/Night Infrared IP Bullet	HD 720p Day/Night Infrared IP Dome
Imaging	Maximum Resolution	5 MP [2592 x 1944]	1080p [1920 x 1080]	1080p [1920 x 1080]	1080p [1920 x 1080]	720p [1280 x 720]	720p [1280 x 720]	720p [1280 x 720]	720p [1280 x 720]	720p [1280 x 720]	720p [1280 x 720]
	Image Sensor Type	1/2.7" CMOS	1/2.7" CMOS	1/2.7" CMOS	1/2.7" CMOS	1/4" CMOS	1/4" CMOS	1/4" CMOS	1/4" CMOS	1/4" CMOS	1/4" CMOS
	Day/Night	■ [Electronic]	■ [Electronic]	■ [Electronic]	■ [Electronic]	■ [Electronic]	■ [Electronic]	■ [Electronic]	■ [Electronic]	■	■
	IR Sensitive	–	–	–	–	–	–	–	–	■	■
	Wide Dynamic Range	–	■	■	–	–	–	■	–	–	–
	intelligent Dynamic Noise Reduction [iDNR]	–	–	–	–	–	■	■	–	–	–
	intelligent Auto Exposure [iAE]	–	–	–	–	–	–	–	–	–	–
Sensitivity	Minimum Illumination [day mode]	0.3 lux	0.3 lux	0.3 lux	0.3 lux	1.0 lux	0.1 lux	0.1 lux	1 lux	0.3 lux	0.3 lux
	Minimum Illumination [night mode]	–	–	–	–	–	–	–	–	0 lux	0 lux
Intelligence	Video Motion Detection	■	■	■	■	■	■	■	■	■	■
	Intelligent Video Analysis [IVA]	–	–	–	■	–	–	■	■	–	■
	Privacy Masking	–	–	–	–	–	■	–	–	–	–
	Region Of Interest and Electronic PTZ	■	■	■	■	–	–	■	–	–	–
	Audio Detection	–	–	–	–	■	■	–	–	■	–
Storage	SD Card Slot	microSDXC Card Up to 2 TB	microSDXC Card Up to 2 TB	microSDXC Card Up to 2 TB	microSDXC Card Up to 2 TB	SD Card Up to 32 GB	microSDXC Card Up to 2 TB	microSDXC Card Up to 2 TB	microSDHC Card Up to 32 GB	–	microSDHC Card Up to 32 GB
Optics	Lens	2.8 – 12 mm	3.74 mm	3.74 mm	4.37 mm	2.8 – 12 mm	2.5 mm	2.5 mm	2.8 – 12 mm	2.7 – 9 mm	2.7 – 9 mm
	Motorized Back Focus	–	–	–	–	–	–	–	–	–	–
	Motorized Varifocal	–	–	–	–	–	–	–	–	–	–
Compression	Multistreaming	H.264 Tri-streaming *	H.264 Tri-streaming *	H.264 Tri-streaming *	H.264 Tri-streaming *	H.264 Tri-streaming *	H.264 Quad Streaming**	H.264 Quad Streaming**	H.264 Tri-streaming *	H.264 Tri-streaming *	H.264 Tri-streaming *
	Max. Images Per Second [IPS]	30 ips @ 1080p	12 ips @ 5MP	12 ips @ 5MP	30 ips @ 1080p	30 ips @ 720p	30 ips @ 720p	30 ips @ 720p	30 ips @ 720p	30 ips @ 720p	30 ips @ 720p
Audio	Built in Microphone	–	–	–	■	■	■	■	■	–	–
	Built in loudspeaker	–	–	–	–	–	■	–	–	–	–
	Audio Line In/Out	– / –	– / –	– / –	– / –	■ / ■	– / –	– / –	■ / ■	■ / ■	■ / ■
Alarm	Alarm Input/Output	– / –	– / –	– / –	– / –	1 / 1	– / –	– / –	1 / 1	1 / 1	1 / 1
	Hybrid capability	■ [on service mode]	■ [on service mode]	■ [on service mode]	■ [on service mode]	–	–	■ [on service mode]	■ [on service mode]	■ [on service mode]	■ [on service mode]
Power	Power Over Ethernet [PoE]	■	■	■	■	■	■	■	■	■	■
	Max. Power Consumption	3.84W	3.84W	3.84W	3.84W	3.6W	3.7W	3.84W	4.2W	6.72W	6.72W
Environ.	Operating Temperature	-20° to 50° C (-4° to 122° F)	-30° to 50° C (-22° to 122° F)	-30° to 50° C (-22° to 122° F)	-20° to 50° C (-4° to 122° F)	0° to 50° C (32°F to 122° F)	-10° to 50° C (14° to 122° F)	-20° to 50° C (-4° to 122° F)	-10° to 50° C (14° to 122° F)	-20° to 50° C (-4° to 122° F)	-20° to 50° C (-4° to 122° F)
	Vandal Resistant	IK 8	IK 8	IK 8	–	–	–	–	–	■	IK 10
	All-weather Rating	IP66	IP66	IP66	–	–	–	–	–	IP66	IP66
Infrared	Integrated Infrared	–	–	–	–	–	–	–	–	■	■
	Night Vision Maximum	–	–	–	–	–	–	–	–	25 m (82 ft)	15 m (50 ft)
	Output Connection	Ethernet, RJ45	Ethernet, RJ45	Ethernet M12 D-coded female	Ethernet, RJ45	Ethernet, RJ45 IEEE 802.11b/g	Ethernet, RJ45 IEEE 802.11b/g	Ethernet, RJ45	Ethernet, RJ45	Ethernet, RJ45	Ethernet, RJ45
	ONVIF conformant	■	■	■	■	■	■	■	■	■	■

* Two [2] H.264 streams with one [1] M-JPEG stream.
** Three [3] H.264 streams (720p HD, downscaled resolution, and HD I-frame only) with one [1] M-JPEG stream.

Legend
■ Yes
– No

Advantage Line Quick Selection Guide
IP Cameras

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		480p							
		Indoor						Outdoor Infrared	
				NEW!	NEW!				
		NBC-255-P NBC-255-W	NBC-225-P	NPC-20002-F2	NUC-20002-F2	NDC-255-P	NDC-225-P	NTC-255-PI	NDC-225-PI
	Camera Type	IP Camera 200 Series	IP Camera 200 Series	IP micro 2000	FLEXIDOME micro 2000 IP	IP Dome Camera 200 Series	IP Dome Camera 200 Series	Day/Night Infrared IP Bullet Camera	Infrared IP Dome Camera 200 Series
Imaging	Maximum Resolution	480p [640 x 480]	480p [640 x 480]	480p [640 x 480]	480p [640 x 480]	480p [640 x 480]	480p [640 x 480]	480p [640 x 480]	480p [640 x 480]
	Image Sensor Type	1/4" CMOS	1/4" CMOS	1/4" CMOS	1/4" CMOS	1/4" CMOS	1/4" CMOS	1/4" CMOS	1/4" CMOS
	Day/Night	■ [Electronic]	■ [Electronic]	■ [Electronic]	■ [Electronic]	■ [Electronic]	■ [Electronic]	■	■ [Electronic]
	IR Sensitive	–	–	–	–	–	–	■	■
	Wide Dynamic Range	–	–	–	■	–	–	–	–
	intelligent Dynamic Noise Reduction [iDNR]	–	–	■	■	–	–	–	–
	intelligent Auto Explosure	–	–	–	–	–	–	–	–
Sensitivity	Minimum Illumination [day mode]	1.0 lux	1.0 lux	0.1 lux	0.1 lux	1.0 lux	1.0 lux	1 lux	1.0 lux
	Minimum Illumination [night mode]	–	–	–	–	–	–	0 lux	0 lux
Intelligence	Video Motion Detection	■	■	■	■	■	■	■	■
	Intelligent Video Analysis [IVA]	–	–	–	■	■	■	–	■
	Privacy Masking	–	–	■	–	–	–	–	–
	Region Of Interest and Electronic PTZ	–	–	–	■	–	–	–	–
	Audio Detection	■	■	–	–	–	–	■	–
Storage	SD Card Slot	SD Card Up to 32 GB	SD Card Up to 32 GB	microSDXC Card Up to 2 TB	microSDXC Card Up to 2 TB	microSDHC Card Up to 32 GB	microSDHC Card Up to 32 GB	–	microSDHC Card Up to 32 GB
Optics	Lens	2.8 – 10 mm	2.8 – 12 mm	2.5 mm	2.8 – 12 mm	2.8 – 10 mm	4 mm	3.7 – 10 mm	4 mm
	Motorized Back Focus	–	–	–	–	–	–	–	–
	Motorized Varifocal	–	–	–	–	–	–	–	–
Compression	Multistreaming	H.264 Tri-streaming *	H.264 Tri-streaming *	H.264 Quad Streaming**	H.264 Quad Streaming**	H.264 Tri-streaming *	H.264 Tri-streaming *	H.264 Tri-streaming *	H.264 Tri-streaming *
	Max. Images Per Second [IPS]	30 ips @ 480p	30 ips @ 480p	30 ips @ 480p	30 ips @ 480p	30 ips @ 480p	30 ips @ 480p	30 ips @ 480p	30 ips @ 480p
Audio	Built in Microphone	■	■	–	■	■	■	–	■
	Built in loudspeaker	–	–	–	–	–	–	–	–
	Audio Line In/Out	■ / ■	■ / ■	– / –	– / –	■ / ■	■ / ■	■ / ■	■ / ■
Alarm	Alarm Input/Output	1 / 1	1 / 1	– / –	– / –	1 / 1	1 / 1	1 / 1	1 / 1
	Hybrid capability	–	–	–	■ [on service mode]	■ [on service mode]	■ [on service mode]	■ [on service mode]	■ [on service mode]
Power	Power Over Ethernet [PoE]	■	■	–	■	■	■	■	■
	Max. Power Consumption	3.36W	3.36W	2.8W	2.80W	4.1W	4.1W	6W	6.6W
Environ.	Operating Temperature	0° to 50° C (32°F to 122° F)	0° to 50° C (32°F to 122° F)	-10° to 45° C (14° to 113° F)	-20° to 50° C (-4° to 122° F)	-10° to 50° C (14° to 122° F)	-10° to 50° C (14° to 122° F)	-20° to 55° C (-4° to 131° F)	-10° to 45° C (14° to 113° F)
	Vandal Resistant	–	–	–	–	–	–	■	–
	All-weather Rating	–	–	–	–	–	–	IP66	–
Infrared	Integrated Infrared	–	–	–	–	–	–	■	–
	Night Vision Maximum	–	–	–	–	–	–	25 m (82 ft)	–
	Output Connection	Ethernet, RJ45 IEEE 802.11b/g	Ethernet, RJ45	Ethernet, RJ45	Ethernet, RJ45	Ethernet, RJ45	Ethernet, RJ45	Ethernet, RJ45	Ethernet, RJ45
	ONVIF conformant	■	■	■	■	■	■	■	■

* Two [2] H.264 streams with one [1] M-JPEG stream.
** Three [3] H.264 streams with one [1] M-JPEG stream.

Legend
■ Yes
– No

Advantage Line Quick Selection Guide
960H Analog Cameras

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		Ultra-high Resolution 960H									
		PTZ		Indoor				Outdoor		Outdoor Infrared	
		NEW!			NEW!					NEW!	
		VEZ-5000	VEZ-400	VTC-206F03-4	VUC-1055-F221	VDN-276-20	VDN-295-20	VDC-242V03-2	VDN-244V03-2H	VTI-2075-F321	VDI-244V03-2H
	Camera Type	AUTODOME 5000 36x PTZ Dome	26x Mini PTZ Dome	Color Mini Bullet	D/N Microdome	True D/N Dome	True D/N WDR Dome	D/N Dome	True D/N Dome	True D/N IR Bullet	True D/N IR WDR Dome
Imaging	Max. Sensor Resolution	720 TVL	720 TVL	720TVL	720TVL	720TVL	720TVL	720TVL	720TVL	720TVL	720TVL
	Image Sensor Type	960H, 1/4" CCD	960H, 1/4" CCD	960H, 1/3" CCD	960H, 1/4" CCD	960H, 1/3" CCD	960H, 1/3" CCD	960H, 1/3" CCD	960H, 1/3" CCD	960H, 1/3"	960H, 1/3" CCD
	Day/Night	■	■	–	■ [Electronic]	■	■	■ [Electronic]	■	■	■
	Wide Dynamic Range	■	■	–	■ [Electronic]	■ [Electronic]	■	■ [Electronic]	■ [Electronic]	–	■
	IR Sensitive	■	■	–	–	■	■	■ [IR Corrected]	■ [IR Corrected]	■	■ [IR Corrected]
	Video Motion Detection	■	■	–	■ [4 zones]	■ [4 zones]	■ [4 zones]	■ [4 zones]	■ [4 zones]	■ [4 zones]	■ [4 zones]
	Privacy Masking	■ [20 Zones]	■ [15 Zones]	–	■ [8 zones]	■ [4 zones]	15 Zones	■ [4 zones]	■ [4 zones]	■ [4 zones]	■ [15 Zones]
	Digital Noise Reduction	■	–	–	–	–	–	–	–	■	–
Optics	Lens	3.43 - 120 mm	3.5 - 104 mm	3.6 mm	2.5 mm	2.8 – 10.5 mm	2.8 – 10.5 mm	2.8 – 10.5 mm	2.8 – 10.5 mm	3.6 mm	2.8 – 10 mm
	Zoom	36x optical, 12x digital	26x optical, 10x digital	–	–	–	–	–	–	–	–
Sensitivity	Min. Illumination [day mode]	0.1 lux	0.1 lux	0.1 lux	0.43 luz	0.12 lux	0.15 lux	0.12 lux	0.12 lux	0.5 lux	0.15 lux
	Min. Illumination [night mode]	0.01 lux	0.01 lux	–	–	0.07 lux	0.05 lux	–	0.07 lux	0 lux	0 lux [IR on]
Infrared	LED's	–	–	–	–	–	–	–	–	20 @ 850 nm	18 @ 850 nm
	Night Vision Max. Range	–	–	–	–	–	–	–	–	50 ft (15 m)	65 ft (20 m)
Environ.	Operating Temp.	–40° to 122° F (–40° to 50° C)	–40° to 122° F (–40° to 50° C)	14° to 122° F (–10° to 50° C)	–4° to 113° F (–20° to 45° C)	14° to 122° F (–10° to 50° C)	14° to 122° F (–10° to 50° C)	14° to 122° F (–10° to 50° C)	–22° to 122° F *** (–30° to 50° C)	–22° to 122° F (–30° to 50° C)	–22° to 122° F *** (–30° to 50° C)
	All-weather Rating	IP66	IP66	IP67	–	–	–	IP66	IP66	IP66	IP66
	Vandal Resistant	IK10	IK10	–	–	–	–	IK08	IK08	IK08	IK08
Alarm	Alarm Input / Output	■	–	–	–	–	–	–	–	–	–
Audio	Audio / Audio Alarm	–	–	–	–	–	–	–	–	–	–
Power	Max. Power Consumption	20W, 50W ***	20W, 45W ***	3.6W	1.2W	3.6W	4.8W	3.6W	6W / 15.6W***	5.7W	6W / 15.6W***
	Power Supply	24 VAC	24 VAC	12 VDC	12 VDC	24 VAC, 12 VDC	24 VAC, 12 VDC	24 VAC, 12 VDC	24 VAC, 12 VDC	12 VDC	24 VAC, 12 VDC
	Outour Connection	BNC Connector	BNC Connector	BNC Connection	BNC Connection	BNC Connection	BNC Connection	BNC Connection	BNC Connection	BNC Connection	BNC Connection

*** Heater on

Legend
■ Yes
– No

Advantage Line Quick Selection Guide
Analog Cameras

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		High Resolution									
		Indoor		Outdoor		Outdoor Infrared					
		VTC-204F03-4	VDC-250F04-20 VDC-260V04-20	VDC-240V03-2	VDN-240V03-2	VTI-214F04-4	VTI-216V04-2	VTI-218V03-2	VTI-220V05-2	VDI-240V03-2	VDI-245V03-2 VDI-245-V03-2U
	Camera Type	Color Mini Bullet	Indoor Dome	Outdoor Color Dome	Outdoor D/N Dome	WZ14 Integrated IR Bullet	WZ16 Integrated IR Bullet	WZ18 Integrated IR Bullet	WZ20 Integrated IR Bullet	Outdoor IR D/N Dome	WZ45 Integrated IR Dome
Imaging	Max. Sensor Resolution	380 TVL	540 TVL	540 TVL	540 TVL	380 TVL	520 TVL	540 TVL	540 TVL	540 TVL	540 TVL
	Image Sensor Type	1/3" CCD	1/3" CCD	1/3" CCD	1/3" CCD	1/3" CCD	1/3" CCD	1/3" CCD	1/3" CCD	1/3" CCD	1/3" CCD
	Day/Night	–	True D/N	Electronic D/N	True D/N	Electronic D/N	True D/N	True D/N	True D/N	True D/N	True D/N
	Wide Dynamic Range [WDR]	–	–	–	–	–	–	–	–	–	–
	IR Sensitive	–	■	–	■	■	■	■	■ [IR corrected]	■	■
	Video Motion Detection	–	■ [4 zones]	■ [4 zones]	■ [4 zones]	–	–	■ [64 zones]	64 Zones	■ [4 zones]	■ [64 zones]
	Privacy Masking	–	■ [4 zones]	■ [4 zones]	■ [4 zones]	–	–	■ [4 zones]	■ [4 zones]	■ [4 zones]	■ [4 zones]
	Digital Noise Reduction	–	–	–	–	–	–	–	–	–	–
Optics	Lens	3.6 mm Fixed	3.8 mm Fixed 3.8 - 9.5 mm DC Iris	2.8 - 10.5 mm DC Iris	2.8 - 10.5 mm DC Iris	4 mm Fixed	3.8 - 9.5 mm DC Iris	3.8 - 9.5 mm DC Iris	2.8 - 12 mm DC Iris	3.8 - 9.5 mm DC Iris	2.8 - 12 mm DC Iris
Sensitivity	Min. Illumination [day mode]	0.5 lux	0.15 lux	0.05 lux	0.05 lux	–	–	–	–	0.05 lux	–
	Min. Illumination [night mode]	–	0.05 lux	0.005 lux	0.005 lux	0 lux (IR on)	0 lux (IR on)	0 lux (IR on)	0 lux (IR on)	0 lux (IR on)	0 lux (IR on)
Infrared	LED's	–	–	–	–	30 @ 850 nm	18 @ 850 nm	18 @ 850 nm	30 @ 850 nm	20 @ 850 nm	18 @ 850 nm
	Night Vision Max. Range	–	–	–	–	50 ft (15 m)	66 ft (20 m)	66 ft (20 m)	150 ft (45 m)	65 ft (20 m)	60 ft (18 m)
Environ.	Operating Temp.	14° to 122° F (–10° to 50° C)	14° to 122° F (–10° to 50° C)	14° to 122° F (–10° to 50° C)	14° to 122° F (–10° to 50° C)	–22° to 122° F (–30° to 50° C)	–22° to 131° F (–30° to 55° C)	–22° to 122° F (–30° to 50° C)	–22° to 131° F (–30° to 55° C)	14° to 122° F (–10° to 50° C)	–22° to 131° F (–30° to 55° C)
	All-weather Rating	IP67	–	IP66	IP66	IP67	IP67	IP66	IP66	IP66	IP66
	Vandal Resistant	–	–	■	■	–	–	–	–	■	■
Alarm	Alarm Input / Output	–	–	–	–	–	–	–	–	–	–
Audio	Audio / Audio Alarm	–	–	–	–	–	–	–	–	–	–
Power	Max. Power Consumption	3.6W	3.6W	3.6W	3.6W	4.2W	4.2W	6.7W	8W	6W	4.5W
	Power Supply	12 VDC	24 VAC, 12 VDC	24 VAC, 12 VDC	24 VAC, 12 VDC	12 VDC	24 VAC, 12 VDC	24 VAC, 12 VDC	24 VAC, 12 VDC	24 VAC, 12 VDC	24 VAC, 12 VDC
	Outour Connection	BNC Connection	BNC Connection	BNC Connection	BNC Connection	BNC Connection	BNC Connection	BNC Connection	BNC Connection	BNC Connection	BNC Connector, UTP

Legend
■ Yes
– No

Advantage Line Quick Selection Guide

Digital Video Recorders

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		Digital Video Recorders			Digital Video Recorders		
		DVR 440 / 480 Series	**DVR 630 / 650 Series**	**DVR 670 Series**	**DVR 670 Series**	**DIVAR 3000**	**DIVAR 5000**
System	**Target System Size**	1 - 8 cameras	16 - 64 cameras	16 - 64 cameras	16 - 64 cameras	up 64 Cameras	
	Operating System	Embedded	Embedded	Embedded	Embedded	Embedded LINUX	Embedded LINUX
	Rack Mountable	■	■	■	■	–	■
	SDK Available	■	■	■	■	■ (VSDK v5.x)	■ (VSDK v5.x)
Video	**Channels**	4, 8	8, 16	8, 16	8, 16	4, 8 or 16	4, 8 or 16
	Looping Video	No	■	■	■	–	■
	Connectors	Composite [1], VGA [1]	VGA [2]	VGA [2]	VGA [2]	Composite [2], VGA [1], HDMI [1]	Composite [2], VGA [1], HDMI [1]
	Spot Monitor	1	1	1	1	1	1
Audio	**Input / Output Channels**	1 / 1	4 / 2	4 / 2	4 / 2	4 [+1 MIC input] / 1	4 [+ 1 MIC input] / 1
	Synchronous Audio	■	■	■	■	■	■
	B-directional Audio	–	–	–	–	■ [via web client]	■ [via web client]
	Associate Multiple Cameras to 1 Audio	■	■	■	■	–	–
Alarms	**Inputs / Relay Outputs**	4 / 1; 8 / 1	8 / 4; 16 / 4	8 / 4; 16 / 4	8 / 4; 16 / 4	16 / 3	16 / 5
	Call up Pre-position on Dome Cameras	■	■	■	■	■	■
	Increase Frame Rate on Alarm	■	■	■	■	■	■
	Simultaneous Normal & Event Recording	■	■	■	■	–	–
	Multiple Camera Linking on Alarm Event	■	■	■	■	■	■
	Notification via Email	■	■	■	■	■	■
	Pre-alarm	■	■	■	■	■ up to 30 Seconds	■ up to 30 Seconds
	Motion Detection	■	■	■	■	■	■
Recording	**Video Compression**	H.264	H.264	H.264	H.264	H.264	H.264
	Frame Rate (IPS)	120 or 240 IPS @ CIF	240 or 480 IPS @ CIF	240 or 480 IPS @ CIF	240 or 480 IPS @ CIF	120 [4ch], 240 [8ch], 480 [16ch] @ 960H	120 [4ch], 240 [8ch], 480 [16ch] @ 960H
	IPS per Camera	25/30 IPS @ CIF	25/30 IPS @ CIF	25/30 IPS @ CIF	25/30 IPS @ CIF	30 IPS @ 960H	30 IPS @ 960H
	Recording Resolution	352x240 / 704x240 / 704x480	352x240 / 704x240 / 704x480	352x240 / 704x240 / 704x480	352x240 / 704x240 / 704x480	QCIF / CIF / 2CIF / 4CIF / 960H	QCIF / CIF / 2CIF / 4CIF / 960H
	Individual Camera Adjustment	■ [IPS & Quality]	■ [IPS & Quality]	■ [IPS & Quality]	■ [IPS & Quality]	■ [IPS & Quality]	■
	Schedule Recording Modes	Day / Week / Specific Day / 32 Exception Days	Day / Week / Specific Day / 32 Exception Days	Day / Week / Specific Day / 32 Exception Days	Day / Week / Specific Day / 32 Exception Days	Day / Week / >32 Exception days	Day / Week / >32 Exception days
Storage	**HDD**	500, 1000 GB	500, 1000, 2000 GB	500, 1000, 2000 GB	500, 1000, 2000 GB	2 [1 when configured with DVD writer]	4 [2 when configured with DVD writer]
	Expandable	–	■	■	■	500 - 1000 - 2000 - 3000 GB	500 - 1000 - 2000 - 3000 GB
	On-board RAID	–	–	–	–	No	–
	External Storage	–	–	■ [eSATA]	■ [eSATA]	No	■ [eSATA]
Export	**Supported Devices**	USB 1.1 and USB 2.0	Internal CD/DVD Writer, USB 2.0	Internal CD/DVD Writer, USB 2.0	Internal CD/DVD Writer, USB 2.0	Internal DVD writer, USB, BVC, Web Client	Internal DVD writer, USB, BVC, Web Client
	Data Format	Native File Format	Native File Format	Native File Format	Native File Format	Native, AVI	Native, AVI
	Back-up Mode	–	–	–	–	Manual	Manual
Search	**Timeline Search Bar (Color-coded)**	■	■	■	■	■	■
	Search Mode	Date/time, Events, Motion	Date/time, Events, Motion	Date/time, Events, Motion	Date/time, Events, Motion	Date/Time, Channel, Event Type, Motion	Date/Time, Channel, Event Type, Motion
	Smart Motion Search	■	■	■	■	■	■
Display	**Live Resolution**	720x484	720x484	720x484	720x484	960x480 [960H], 704x480 [720H]	960H Camera: 960x480 [using HDMI monitor] 720H Camera: 704x480
	Screen Division [Multiscreen]	Full, 2x2, Sequence	Full, Sequence, 2x2, 3x2, 3x3, 4x4, 5+1,	Full, Sequence, 2x2, 3x2, 3x3, 4x4, 5+1,	Full, Sequence, 2x2, 3x2, 3x3, 4x4, 5+1,	4 Ch.: 1/4; 8 Ch. 1/4/8/9; 16 Ch. 1/4/8/9/16	4 Ch.: 1/4; 8 Ch. 1/4/8/9; 16 Ch. 1/4/8/9/16
Security / User Control	**User Levels**	3	3	3	3	3	3
	Camera Lockouts by User	■	■	■	■	■	■
	Set Viewing Permissions	■	■	■	■	■	■
	Data Integrity Check (e.g. Watermarking)	■	■	■	■	■ [in archive player]	■ [in archive player]
Remote Access	**Network**	10 / 100 Ethernet	10 / 100 Ethernet	10 / 100 Ethernet	10 / 100 Ethernet	10 / 100 / 1000 Ethernet	10 / 100 / 1000 Ethernet
	Web Browser Access	■	■	■	■	■	■
	Simultaneous Accessible Users	4	4	4	4	4	4
	Mobile Client Access	■	■	■	■	■ [iOS, Android]	■ [iOS, Android]
	Admin control	■	■	■	■	■	■
	PTZ Control	■	■	■	■	■	■
	Export Options	Native File Format and .AVI	Native File Format and .AVI	Native File Format and .AVI	Native File Format and .AVI	Native, AVI	Native, AVI
Other	**Instant Playback**	■	■	■	■	■	■
	Digital Zoom (Live / Playback)	■ / ■	■ / –	■ / –	■ / –	■ / –	■ / ■
	PTZ Joystick Control	–	■	■	■	–	■
	ATM/POS Interface	–	–	–	–	–	–

Advantage Line Quick Selection Guide
Network Recording and Storage

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			All-in-one VMS Soltuion	
			NEW!	NEW!
			DIVAR IP 3000	DIVAR IP 7000
		Target System Size	32+ Cameras	64+ Cameras
System		Operating System	Microsoft Storage Server 2008 R2	Microsoft Server 2008 R2
		Rack Mountable	–	■
		SDK Available	■ [VSDK v5.x]	■ Yes [VSDK v5.x]
Video		Channels	Up to 32 per appliance	Up to 64 appliance
		Looping Video	–	–
		Composite Outs	0	0
		VGA	1 DVI	1 DVI, 1 DP
		Spot Monitor	1 per IP decoder	1 per IP decoder
Audio		Input / Output Channels	Up to 32 [playback via remote station only]	Up to 64 [audio playback via remote station only]
		Compression Type	G.726	G.726
		Synchronous Audio	■	■
		Associate Multiple Cameras to 1 Audio	■	■
Alarms		Inputs	Up to 144 via ADAM I/O modules [+1 per IP camera]	Up to 144 via ADAM I/O modules [+1 per IP camera]
		Call up Pre-Position on Dome Cameras	■	■
		Increase Frame Rate on Alarm	■	■
		Simultaneous Normal & Event Recording	■	■
		Multiple Camera Linking on Alarm Event	■	■
		Notification via Email	■	■
		Pre-Alarm	■	■
		Motion Detection	■	■
Recording		Video Compression	H.264, MPEG-4, ONVIF, RTSP, JPEG	H.264, MPEG-4, ONVIF, RTSP, JPEG
		Throughput / Bandwidth	150 Mbps	200 Mbps
		IPS Per Camera (Max.)	25 / 30 IPS	25 / 30 IPS
		Supported Resolutions	CIF / 2CIF / 4CIF / 720p / 1080p / 5MP	CIF / 2CIF / 4CIF / 720p / 1080p / 5MP
		Individual Camera Adjustment	■ [IPS & Quality]	■ [IPS & Quality]
		Schedule Recording Modes	Day / Night / Weekend / Holiday / Specific Day	Day / Night / Weekend / Holiday / Specific Day
Storage		Internal HDD [GB]	4000 - 8000 GB	4000 - 8000 - 16000 GB
		On-board RAID	–	■
		External Storage	■ [iSCSI]	■ [iSCSI]
Export		Supported Devices	External CD/DVD Writer, USB 2.0, iSCSI	Internal CD/DVD Writer, USB 2.0, iSCSI
		Data Format	Native, ASF	Native, ASF
		Back-up Mode	Manual or Automatic	Manual or Automatic
Search		Timeline Search Bar	■ [color coded]	■
		Search Mode	Date/time, Device, Events, Alarm State/Priority, Smart Motion Search, IVA	Date/time, Device, Events, Alarm State/Priority, Smart Motion Search, IVA
		Smart Motion Search	■	■
Display		Live Resolution [PAL/NTSC]	CIF / 2CIF / 4CIF / 720p / 1080p / 5MP	CIF / 2CIF / 4CIF / 720p / 1080p / 5MP
		Screen Division [Multiscreen]	Full, 3x3, 4x4, 4x5, 5+6	Full, 3x3, 4x4, 4x5, 5+6
Security / User Control		User Levels	Unlimited	Unlimited
		Camera Lockouts by User	■	■
		Set Viewing Permissions	■	■
		Data Integrity Check (e.g. Watermarking)	■	■
Remote Access		Network	10/100/1000 Ethernet	10 / 100 / 1000 Ethernet
		Web Browser Access	–	■
		Mobile Client	■	■
PC Client		Admin Control	■	■
		PTZ Control	■	■
		Export Options	Native File Format and ASF	Native File Format and ASF
Other		Instant Playback	■	■
		Digital Zoom [Live / Playback]	■	■ / ■
		PTZ Joystick Control	■	■
		ATM/POS Interface	■	■

			All-in-one Recording Solution	
			NEW!	NEW!
			DIVAR IP 2000	DIVAR IP 6000
		Target System Size	1 to 16 Cameras	32 to 128 Cameras
Mechanical		Form Factor	Mini-Tower	19-inch Rack Mount
		System Weight	6.75 kg (14.88 lbs)	16.3 kg (36 lbs) [4-bay] 23.6 kg (52 lbs) [8-bay]
		Operating Temperature	10° to 35° C (50° to 95° F)	10° to 35° C (50° to 95° F)
		Product Safety	CE, UL, EN, IEC	CE, UL, EN, IEC
		Warranty	3 Years [all components]	3 Years [all components]
	Power Supplies	Number	1	2
		Redundant	–	■
		Hot Swappable	–	■
		Power Consumption	200W	230W [4-bay] 291W [8-bay]
	Fans	Number	1	3
		Hot Swappable	–	–
System	Processor	Type	Intel® Atom D525	Intel® Pentium G6950 Dual Core
		Speed	1.80 GHz, 1333 MHz FSB	2.8 GHz, 1333 MHz FSB
		Cache	1MB L2 Cache	3MB L2 Cache
		Memory	1GB, DDR3-1333 SO-DIMM	4GB, DDR2-800 ECC RAM
	Host Interface	Type	Gigabit Ethernet	Gigabit Ethernet
		Number	1	2
		RAID Levels	JBOD	RAID-5
Storage	Disk Drives	Type	SATA-II	SATA-II
		Maximum Drives Supported	4	4
		Hot Swappable	–	■
		Available Capacities	2 TB	1 TB [4-bay] 2 TB [8-bay]
	Storage Expansion	Expansion Links	–	–
		Number of Expansion Units	–	–
		Maximum Drives Supported	–	–
		Hot Swappable	–	–
	Capacity	Base System [Raw]	8 TB	4 TB [4-bay] 16 TB [8-bay]
		Base System [RAID Config.]	[JBOD]	2.7 TB [4-bay] 12.93 TB [8-bay]
		Base System + Expansion [Raw]	–	–
		Base System + Expansion [RAID-5 Config.]	–	–
Performance		Array Throughput/Bandwidth	100 Mbps	200 Mbps
		Drive Throughput	3.0 Gbps	3.0 Gbps
		Max. iSCSI Camera Connections	16	64
Monitoring	Remote Mgmt.	Remote Desktop	■	■
		Web Client	–	■
	Monitoring	SNMP	■	■
		Alerts	■	e-Mail, LAN broadcast
Platform Support	Hardware	Recorders	–	Divar 700 Series
		Direct-to-iSCSI	Any Bosch IP device running FW v4.x or greater	Any Bosch IP device running FW v4.x or greater
	Siftware	BVC	■	■
		VIDOS	–	■ [v4.02 or newer]
		BVMS	■ [v4.50 or newer]	■ [v2.20 or newer]
		VRM	■ [v3.00 Embedded]	■ [v2.11 Embedded]

Legend
■ Yes
– No

Advantage Line Quick Selection Guide
IP Video Management

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Advantage Line

		Bosch Video Client (BVC)	Bosch Video Management System (BVMS)
Overview		BVC is packaged free of charge with all Bosch IP cameras, and can be downloaded from the web. Licensing is free for up to 16 cameras. For larger systems, expansion license bundles of 1 to 112 cameras are available for purchase. Easy to use graphical user interface, Display up to 20 HD (1080p and 720P) or SD cameras at the same time. ► Dynamic 16:9 cameo resizing ► Simultaneous viewing of live and playback streams (20 max.) ► Local recording and snapshots ► PTZ control ► Lens control and digital zoom ► Playback and export from on-camera storage and VRM ► Motion and IVA Forensic Search ► Instant replay and trick mode playback	The Bosch Video Management System comes pre-installed on the DIVAR IP 3000 / 7000 applicances. This is a unique enterprise IP video security solution that provides seamless management of digital video, audio, and data across any IP network. It is designed to work with Bosch CCTV products as part of a total video security management system. You can integrate your existing components into one easy-to-manage system, or use our full-line capabilities and benefit from a complete security solution based on cutting-edge technology and years of experience. ► Enterprise-class Client/Server based video management system ► Superior alarm handling with alarm priorities and selectable user group distribution ► Mobile video client for live and playback ► Edge based intelligent Video Analytics (IVA) and forensic search ► Support of 3rd party cameras that are compliant to ONVIF Profile S
System Architecture Support		Standalone	Standalone to Client Server
Full VMS		Advanced Viewing Client	Full VMS
Software based Video IP Platform		■	■
ONVIF for 3rd Party Camera Intergration		■ [with VRM2.30/VSG1]	■
Multi-site Support [independent systems tied together]		–	■
Mobile Clients		–	■ MVS Licence required max 20 connection per site
Workstations/Clients		1 standalone at a time [separate config needed]	2 clients for 32; 4 clients for 64
LDAP		–	■
COTS [Commercial off the Shelf] for Server/Workstation		■	■
Resolution	**HD-ready**	■	■
	SD and HD	■	■
	SD and HD Decoder support	■	■
	Monitor Wall Client GUI Support	■	■
Encoding	**Encoding**	H.264, MPEG-4	H.264, MPEG-4
	3rd party camera support	ONVIF 1.02/Profile-S with DLA	■ ONVIF 1.02/Profile-S
Display	**Multi-monitor support**	■ [2]	■ [4]
	Workstation OS support	XP, Vista, Win7,SP1	XP, Win7,SP1
	16:9 Monitor support	■	■
	Mapping	–	■
	Dynamic cameo scaling	■	–
Alarm	**User management**	–	■
	Digital I/O slarms	■	■
	System event alarms	■	■
	Motion alarms	■	■
	Event response and command scripts	–	■
	IVA alarms	■	■
	IVA forensics	■	■
	Audio	■	■
Control	**AutoDome Intelligent Tracking**	■	–
	PTZ	■	■
	IntuiKey	■ [limited functionality]	■
	Virtual matrix	–	■
Storage	**@edge camera support**	■	■
	iSCSI	■	■
	NVR support	–	■ [BRS, VIDOS]
	VRM	■ [via DLA]	■ [via DLA]
	IVA metadata	■	■
	Failover/recording	–	–
	DLA Support [VRM Mode]	■ [1]	■ [5]
Integration	**DxR 400/600/700**	■	■
	ATM/POS	–	■
Networking	**LAN / WAN**	■ / –	■ / ■
	Remote/Decoupled Client	–	■
	Mobile Viewing APP	–	■ [Apple only]
	Web Client	–	■

Advantage Line Quick Selection Guide
Accessories

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Mounts

LTC 9213/01 *	Pole Mount Adapter
NDA-ADTI-DOME	Electrical Box / Prendant Mount Adapter
NDA-FMT200-DOME	Flush Mount Kit
NDA-MBR-DOME	Surface Mount / Electrical Box Bracket
NDA-MBRO-DOME	Surface Mount / Electrical Box Bracket
NDA-WMT-DOME	L-shaped Wall Mount
VDA-PMT-AIDOME	Indoor Pipe Mount
VDA-PMT-AODOME	Outdooe Pipe Mount
VDA-WMT-AIDOME **	Indoor Wall Mount
VDA-WMT-AODOME **	Outdoor Wall Mount
VEZ-A2-PW	Pendant Pipe Mount ***
VEZ-A2-WW **	Pendant Wall Mount ***
VEZ-A4-IC	Flush Mount Kit
VEZ-A4-PW / PC	Pipe Mount [white or charcoal]
VEZ-A4-WW / WC **	Wall Mount [white or charcoal]
WZMB.001	Gang Box Adapter Plate

Mount Compatibility

	Wall Mount	Pipe Mount	Flush Mount	Electrical Box Mount
NDC-225-P	VEZ-A2-WW ** and NDA-ADTI-DOME	VEZ-A2-PW and NDA-ADTI-DOME	NDA-FMT200-DOME	NDA-ADTI-DOME
NDC-225-PI	VEZ-A2-WW ** and NDA-ADTI-DOME	VEZ-A2-PW and NDA-ADTI-DOME	NDA-FMT200-DOME	NDA-ADTI-DOME
NDC-255-P	VEZ-A2-WW ** and NDA-ADTI-DOME	VEZ-A2-PW and NDA-ADTI-DOME	NDA-FMT200-DOME	NDA-ADTI-DOME
NDC-265-P	VEZ-A2-WW ** and NDA-ADTI-DOME	VEZ-A2-PW and NDA-ADTI-DOME	NDA-FMT200-DOME	NDA-ADTI-DOME
NDC-274-P	NDA-WMT-DOME	n/a	n/a	NDA-MBR-DOME
NDC-274-PM	NDA-WMT-DOME	n/a	n/a	n/a
NDC-274-PT	NDA-WMT-DOME	n/a	n/a	n/a
NDC-284-PT	NDA-WMT-DOME	n/a	n/a	n/a
NDN-265-PIO	NDA-WMT-DOME or VDA-WMT-AODOME **	VDA-PMT-AODOME	NDA-FMT200-DOME	NDA-MBRO-DOME
NUC-20002-F2	NDA-WMT-DOME	n/a	n/a	n/a
NUC-20012-F2	NDA-WMT-DOME	n/a	n/a	n/a
VDC-240V03-2	VDA-WMT-AIDOME or VDA-WMT-AODOME **	VDA-PMT-AIDOME or VDA-PMT-AODOME	n/a	n/a
VDC-242V03-2	VDA-WMT-AIDOME or VDA-WMT-AODOME **	VDA-PMT-AIDOME or VDA-PMT-AODOME	n/a	n/a
VDC-250F04-20	VDA-WMT-AIDOME **	VDA-PMT-AIDOME	n/a	n/a
VDC-260V04-20	VDA-WMT-AIDOME **	VDA-PMT-AIDOME	n/a	n/a
VDN-240V03-2	VDA-WMT-AIDOME or VDA-WMT-AODOME **	VDA-PMT-AIDOME or VDA-PMT-AODOME	n/a	n/a
VDN-244V03-2H	VDA-WMT-AIDOME or VDA-WMT-AODOME **	VDA-PMT-AIDOME or VDA-PMT-AODOME	n/a	n/a
VDI-240V03-2	VDA-WMT-AIDOME or VDA-WMT-AODOME **	VDA-PMT-AIDOME or VDA-PMT-AODOME	n/a	n/a
VDI-244V03-2H	VDA-WMT-AIDOME or VDA-WMT-AODOME **	VDA-PMT-AIDOME or VDA-PMT-AODOME	n/a	n/a
VDN-276-20	VDA-WMT-AIDOME **	VDA-PMT-AIDOME	n/a	n/a
VDN-295-20	VDA-WMT-AIDOME **	VDA-PMT-AIDOME	n/a	n/a
VEZ-400	VEZ-A4-WW / WC **	VEZ-A4-PW / PC	VEZ-A4-IC	n/a
VTI-220V05-2	n/a	n/a	n/a	WZMB.001
VUC-1055-F221	NDA-WMT-DOME	n/a	n/a	n/a

* TC9311PM3T installation banding tool recommended for use with LTC 9213/01 pole mount adapter.
** Can be adapted for pole mount using the LTC 9213/01.
*** Requires NDA-ADTI-DOME
**** 12 VDC power supply is included with all NBC-2xx and NDC-2xx IP200 Series cameras, or they can also be powered via PoE.

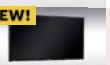
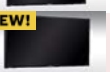
Power Supplies ****

UPA-1220-60	Input 100-240 VAC, 50/60 Hz Rated Output 12 VDC, 1.0 A
UPA-2430-60	Input 120 VAC, 60 Hz Output 24 VAC, 1.25 A, 30 VA
UPA-2450-60	Input 120 VAC, 60 Hz Output 24 VAC, 50 VA
VG4-A-PSU1	AutoDome Remote Power Unit 120 VAC

Power Supplies

MIC-BP3	Bi-Phase to RS-485 converter device for VEZ-400
LTC 8786/60	RS-232 to Biphase converter with 16 Biphase outputs

Monitors

NEW! UML-193-90	19-inch High Performance HD LED Monitor
NEW! UML-223-90	22-inch High Performance Full HD LED Monitor
NEW! UML-273-90	27-inch High Performance Full HD LED Monitor
 NEW! UML-323-90	32-inch High Performance Full HD LED Monitor
NEW! UML-423-90	42-inch High Performance Full HD LED Monitor
 NEW! UML-553-90	55-inch High Performance Full HD HD LED Monitor